

CLAIMS

1. In a dump body for mounting on the frame of a truck, said
5 dump body comprising :
a floor;
two side walls; and
two parallel longsills extending longitudinally under the floor, said
longsills being rigidly attached to the floor for reinforcing the same,
10 the improvement wherein:
the two longsills are mounted in adjacent position with respect to
each other in the middle of the floor instead of being spaced apart under the
same, the longsills attached to the floor having altogether a W-shape and
acting as a spring which absorbs and spreads out shocks due to impacts
15 received during loading of the dump body.

2. The improved dump body according to claim 1, wherein the
longsills having altogether a W-shape have square angles.

20 3. The improved dump body according to claim 1, wherein the
longsills having altogether a W-shape have rounded angles.

4. The improved dump body according to claim 1, wherein the
longsills are made of two distinct pieces welded in adjacent position under
25 the floor.

5. The improved dump body according to claim 1, wherein the
longsills are made of one single piece having a W-shape, which is welded
under the floor.

6. The improved dump body according to claim 1, wherein the floor has a rounded shape when seen in cross-section to uniformly spread a stress load.

5 7. The improved dump body according to claim 1, wherein the side walls have upper edges that are formed in order to reinforce them, to contribute to the spring effect and to recenter a stress load.

8. The improved dump body according to claim 7, wherein the
10 upper edges of the side walls have a V shape whose angular portions face each other.

9. The improved dump body according to claim 8, further comprising V-shaped pieces welded externally onto the formed upper edges
15 of the side walls to reinforce them.

10. The improved dump body according to claim 1, wherein the floor is made of two pieces, each including half of the floor and one of the side walls, said two pieces being joined to each other by welding.

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11. The improved dump body according to claim 1, further comprising a front wall and a rear door completing the dump body.

12. The improved dump body according to claim 4, wherein:
25 the floor has a rounded shape when seen cross-section to spread
a stress load;

the side walls have upper edges that are formed in order to reinforce them, to contribute to the spring effect and to redirect the stress load;

V-shaped pieces are welded externally onto the formed upper edges of the side walls to reinforce them; and
a front wall and a rear door are completing the dump body.

5 13. The improved dump body according to claim 5, wherein:
the floor has a rounded shape when seen cross-section to spread
a stress load;

the side walls have upper edges that are formed in order to
reinforce them, to contribute to the spring effect and to redirect the stress
10 load;

V-shaped pieces welded externally onto the formed upper edges
of the side walls to reinforce them; and
a front wall and a rear door completing the dump body.

15 14. In a dump body of the type comprising:
a floor; and
two side walls,

the improvement wherein the side walls have upper edges that are
formed in order to reinforce them, to contribute to the spring effect and to
20 recenter a stress load.

15 15. The improved dump body of claim 14, wherein the upper
edges of the side walls have a V shape whose angular portions face each
other.

25 16. The improved dump body of claim 15, further comprising V-
shaped pieces welded externally onto the formed upper edges of the side
walls to reinforce them.